

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1064	320/107	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L2	1064	320/107	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L3	3	("6518868", "6459586", "6243275", "5600226, 5095280,5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L4	51141	(connector with a groove) a	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L5	67803	(charg\$3 connector)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L6	5790	L4 and L5	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L7	248	(circuit)(robot) and L6	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L8	8707	"901"/\$.ccls. robot and (plastic or rub(termin\$3)) and shaft	USPAT	OR	ON	2006/03/17 09:02
L9	1184	L8 and (charg\$3)(bttery)	USPAT	OR	ON	2006/03/17 09:02
L10	450	(robot)(charg\$3)(support) and elast\$3	USPAT	AND	ON	2006/03/17 09:02
L11	22	"4983903"	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L12	1001	"901"/\$.ccls. and (elastic or plastic or rubber (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L13	957	"901"/\$.ccls. and (elastic or plastic or rubber near (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L14	386	L13 and (support shaft)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L15	120	L14 and groove	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L16	1	"5892350".pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L17	1	"4438589".pn.	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L18	1	L8 and charg	USPAT	OR	ON	2006/03/17 09:02
L19	1	"4983903".pn.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L20	4	"5892350"	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L21	5	("4983903"   "5461298"   "5545967").PN. OR ("5892350").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L22	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L23	10	("3630788"   "3880209"   "3957093"   "4227463"   "4334819"   "4499424"   "4583286"   "4983903"   "5091687"   "5132176").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L24	24	L2 and (robot)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L25	19	"320"/\$.ccls. and (robot)(charg\$3 circuit)(mount\$3 board)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L26	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L27	9	("4158802"   "4347472"   "4766322"   "5049802"   "5111126"   "5272431"   "5306999"   "5321353"   "5349378").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L28	6	("6518868", "6459586", "6243275", "5600226", "5095280", "5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L29	8	("4438589").URPN.	USPAT	OR	ON	2006/03/17 09:02
L30	86	L9 and (move)(robot)(charging stat\$3)(groove)	USPAT	AND	ON	2006/03/17 09:02
L31	19	("5462439"   "5498948"   "5523666"   "5538809"   "5606237"   "5661391"   "5703461"   "5711558"   "5714864"   "5850135"   "5909100"   "6014597"   "Re36225").PN. OR ("6157162").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L32	6	("4227463"   "4334819"   "4342533"   "4413219"   "4450400"   "4496274").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L33	13	("0417259"   "0434579"   "0682175"   "1335243"   "3664483"   "3675108"   "4055260"   "4173426"   "4227463").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L34	9	L15 and (guide groove)(charg\$3)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L35	169	L7 and (terminal)(groove)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L36	129	(L10 and groove)(bodY)	USPAT	AND	ON	2006/03/17 09:02
L37	120	L14 and groove	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L38	1064	320/107	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L39	3	("6518868", "6459586", "6243275", "5600226, 5095280,5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L40	51141	(connector with a groove) a	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L41	67803	(charg\$3 connector)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L42	5790	L4 and L5	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L43	248	(circuit)(robot) and L6	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02

## EAST Search History

L44	8707	"901"/\$.ccls. robot and (plastic or rub(termin\$3)) and shaft	USPAT	OR	ON	2006/03/17 09:02
L45	1184	L8 and (charg\$3)(bttery)	USPAT	OR	ON	2006/03/17 09:02
L46	450	(robot)(charg\$3)(support) and elast\$3	USPAT	AND	ON	2006/03/17 09:02
L47	22	"4983903"	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L48	1001	"901"/\$.ccls. and (elastic or plastic or rubber (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L49	957	"901"/\$.ccls. and (elastic or plastic or rubber near (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L50	386	L13 and (support shaft)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L51	1	"5892350".pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L52	1	"4438589".pn.	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L53	1	L8 and charg	USPAT	OR	ON	2006/03/17 09:02
L54	1	"4983903".pn.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L55	4	"5892350"	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L56	5	("4983903"   "5461298"   "5545967").PN. OR ("5892350").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L57	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L58	10	("3630788"   "3880209"   "3957093"   "4227463"   "4334819"   "4499424"   "4583286"   "4983903"   "5091687"   "5132176").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L59	24	L2 and (robot)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L60	19	"320"/\$.ccls. and (robot)(charg\$3 circuit)(mount\$3 board)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L61	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L62	9	("4158802"   "4347472"   "4766322"   "5049802"   "5111126"   "5272431"   "5306999"   "5321353"   "5349378").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L63	6	("6518868", "6459586", "6243275", "5600226", "5095280", "5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L64	8	("4438589").URPN.	USPAT	OR	ON	2006/03/17 09:02
L65	86	L9 and (move)(robot)(charging stat\$3)(groove)	USPAT	AND	ON	2006/03/17 09:02

## EAST Search History

L66	19	("5462439"   "5498948"   "5523666"   "5538809"   "5606237"   "5661391"   "5703461"   "5711558"   "5714864"   "5850135"   "5909100"   "6014597"   "Re36225").PN. OR ("6157162").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L67	6	("4227463"   "4334819"   "4342533"   "4413219"   "4450400"   "4496274").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L68	13	("0417259"   "0434579"   "0682175"   "1335243"   "3664483"   "3675108"   "4055260"   "4173426"   "4227463").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L69	9	L15 and (guide groove)(charg\$3)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L70	169	L7 and (terminal)(groove)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L71	129	(L10 and groove)(bodY)	USPAT	AND	ON	2006/03/17 09:02
L72	120	L14 and groove	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L73	5	("4983903"   "5461298"   "5545967").PN. OR ("5892350").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L74	6	("4227463"   "4334819"   "4342533"   "4413219"   "4450400"   "4496274").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L75	548411 3	(robot)(charg\$3 device)(charg\$3 terminal)(elast\$3 or rub\$3 or plastic (terminal))	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L76	143786 8	L75 and (charging terminal)	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L77	929	"901"/\$.ccls. and (charging terminal)	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L78	125	L77 and (terminal and groove and spring)	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L79	257	(mobile robot)(charging terminal)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L80	43726	"439"/\$.ccls. and terminal	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L81	2294	(charg\$3 terminal) and L80	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L82	286	L81 and (guide groove)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L83	15	("3771110"   "4176905"   "4553192"   "4591222"   "4655526"   "4904213"   "5133680"   "5151040"   "5417595"   "5641315"   "5807123"   "5823832"   "5879198"   "6075318"   "6159055").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L84	584	(charg\$3 terminal) and L80 (groove connector)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02

## EAST Search History

L85	4	(terminal with head)(terminal with plate with charg\$3)and L84	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L86	21	(terminal with head)(terminal with spring and groove) L84	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L87	28	(terminal with head and charg\$3)(terminal with spring and groove) L81	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L88	1054	(terminal with shaft and head)(terminal with spring and groove) L75	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L90	1027	(terminal connect\$3)(terminal with spring)(terminal with (shaft or support))and L88	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L91	335	(terminal connect\$3)(terminal with spring)(terminal with (shaft or support))and L88 and (\$3lastic)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L92	923	(terminal connect\$3)(terminal with spring)(terminal with (shaft or support))and L80 and (\$3lastic)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L93	66	(charg\$3)(mobile robot)(separate power)(\$3lastic terminal) and (support shaft)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L94	178172 9	(terminal connector)(mount and board)(charg\$3)(mobile robot) and L77	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02

## EAST Search History

L95	1	(terminal connector)(mount\$3 and board)(charg\$3) and (mobile robot) and L77	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L96	2548	(groov\$3 terminal)(connector with spring and plate) and L4	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L97	15957	(charging device) and (mov\$3 terminal) and ((external or AC)and (outlet or source))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L98	14114	L97 and (charg\$3 circuit)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L99	4157	L98 and (mount\$3 board)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L100	112	L99 and (mobile robot)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L101	1	"6157162".pn.	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L102	7	"182212"	EPO; JPO; DERWENT	AND	ON	2006/03/17 09:02
L103	1	"5538809".PN.	USPAT; USOCR	OR	ON	2006/03/17 09:02
L104	1	"6014597".PN.	USPAT; USOCR	OR	ON	2006/03/17 09:02
L105	1	2002-325707	EPO; JPO; DERWENT	AND	ON	2006/03/17 09:02
L106	3	"325707".pn.	EPO; JPO; DERWENT	AND	ON	2006/03/17 09:02

## EAST Search History

L10 7	0	320/107 and (charg\$3 circuit)(guid groov\$3)(cas\$3)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L10 8	1064	320/107	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L10 9	3	("6518868", "6459586", "6243275", "5600226, 5095280,5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L11 2	51141	(connector with a groove) a	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L11 3	67803	(charg\$3 connector)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L11 4	5790	L112 and L113	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L11 5	248	(circuit)(robot) and L114	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L11 6	8707	"901"/\$.ccls. robot and (plastic or rub(termin\$3)) and shaft	USPAT	OR	ON	2006/03/17 09:02
L11 7	1184	L116 and (charg\$3)(bttery)	USPAT	OR	ON	2006/03/17 09:02
L11 8	450	(robot)(charg\$3)(support) and elast\$3	USPAT	AND	ON	2006/03/17 09:02
L11 9	22	"4983903"	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L12 0	1001	"901"/\$.ccls. and (elastic or plastic or rubber (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02

## EAST Search History

L12 1	957	"901"/\$.ccls. and (elastic or plastic or rubber near (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L12 2	0	L121 and (support shaft)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L12 3	386	L121 and (support shaft)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L12 4	120	L123 and groove	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L12 5	0	L124 and (guid groove)(charg\$3)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L12 6	0	L124 and (guid groove)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L12 7	0	320/107 and (charg\$3 circuit)(guid groov\$3)(cas\$3)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L12 8	1064	320/107	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L12 9	3	("6518868", "6459586", "6243275", "5600226, 5095280,5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L13 2	51141	(connector with a groove) a	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L13 3	67803	(charg\$3 connector)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L13 4	5790	L112 and L113	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02

## EAST Search History

L13 5	248	(circuit)(robot) and L114	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L13 6	8707	"901"/\$.ccls. robot and (plastic or rub(termin\$3)) and shaft	USPAT	OR	ON	2006/03/17 09:02
L13 7	1184	L116 and (charg\$3)(bttery)	USPAT	OR	ON	2006/03/17 09:02
L13 8	450	(robot)(charg\$3)(support) and elast\$3	USPAT	AND	ON	2006/03/17 09:02
L13 9	22	"4983903"	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L14 0	1001	"901"/\$.ccls. and (elastic or plastic or rubber (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L14 1	957	"901"/\$.ccls. and (elastic or plastic or rubber near (terminal))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L14 2	0	L121 and (suppport shaft)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L14 3	386	L121 and (support shaft)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L14 6	548411 3	(robot)(charg\$3 device)(charg\$3 terminal)(elast\$3 or rub\$3 or plastic (terminal))	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L14 7	143786 8	L146 and (charging terminal)	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L14 8	929	"901"/\$.ccls. and (charging terminal)	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L14 9	43726	"439"/\$.ccls. and terminal	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L15 0	2294	(charg\$3 terminal) and L149	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L15 1	584	(charg\$3 terminal) and L149 (groove connector)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L15 2	1054	(terminal with shaft and head)(terminal with spring and groove) L146	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L15 3	0	(terminal cconnect\$3)(terminal with spring)(terminal with (shaft or support))and L152	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L15 4	1027	(terminal connect\$3)(terminal with spring)(terminal with (shaft or support))and L152	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L15 5	923	(terminal connect\$3)(terminal with spring)(terminal with (shaft or support))and L149 and (\$3lastic)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L15 6	178172 9	(terminal connector)(mount and board)(charg\$3)(mobile robot) and L148	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L15 7	0	(terminal connector)(mount and board)(charg\$3)(mobile robot) and L148	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02

## EAST Search History

L15 8	15957	(charging device) and (mov\$3 terminal) and ((external or AC)and (outlet or source))	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L15 9	14114	L158 and (charg\$3 circuit)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L16 0	4157	L159 and (mount\$3 board)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L16 2	0	("5462439" "5498948" "5523666" "5538809" "5606237" "5661391" "5711558" "5714864" "5909100" "6014597").pn.	EPO; JPO; DERWEN T	AND	ON	2006/03/17 09:02
L16 3	1	"5892350".pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L16 4	1	"4438589".pn.	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L16 5	1	L116 and charg	USPAT	OR	ON	2006/03/17 09:02
L16 6	1	"4983903".pn.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L16 7	1	"5892350".pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L16 8	1	"4438589".pn.	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L16 9	1	L116 and charg	USPAT	OR	ON	2006/03/17 09:02
L17 0	1	"4983903".pn.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L17 1	1	(terminal connector)(mount\$3 and board)(charg\$3) and (mobile robot) and L148	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L17 2	1	"6157162".pn.	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L17 3	1	"5538809".PN.	USPAT; USOCR	OR	ON	2006/03/17 09:02
L17 4	1	"6014597".PN.	USPAT; USOCR	OR	ON	2006/03/17 09:02
L17 5	4	"5892350"	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L17 6	5	("4983903"   "5461298"   "5545967").PN. OR ("5892350").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L17 7	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L17 8	10	("3630788"   "3880209"   "3957093"   "4227463"   "4334819"   "4499424"   "4583286"   "4983903"   "5091687"   "5132176"). PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L17 9	24	L108 and (robot)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L18 0	19	"320"/\$.ccls. and (robot)(charg\$3 circuit)(mount\$3 board)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L18 1	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L18 2	9	("4158802"   "4347472"   "4766322"   "5049802"   "5111126"   "5272431"   "5306999"   "5321353"   "5349378").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L18 3	6	("6518868", "6459586", "6243275", "5600226", "5095280", "5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L18 4	8	("4438589").URPN.	USPAT	OR	ON	2006/03/17 09:02
L18 5	86	L117 and (move)(robot)(charging stat\$3)(groove)	USPAT	AND	ON	2006/03/17 09:02
L18 6	19	("5462439"   "5498948"   "5523666"   "5538809"   "5606237"   "5661391"   "5703461"   "5711558"   "5714864"   "5850135"   "5909100"   "6014597"   "Re36225").PN. OR ("6157162").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L18 7	6	("4227463"   "4334819"   "4342533"   "4413219"   "4450400"   "4496274").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L18 8	13	("0417259"   "0434579"   "0682175"   "1335243"   "3664483"   "3675108"   "4055260"   "4173426"   "4227463").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L18 9	9	L124 and (guide groove)(charg\$3)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L19 0	4	"5892350"	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L19 1	5	("4983903"   "5461298"   "5545967").PN. OR ("5892350").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02

## EAST Search History

L19 2	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L19 3	10	("3630788"   "3880209"   "3957093"   "4227463"   "4334819"   "4499424"   "4583286"   "4983903"   "5091687"   "5132176").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L19 4	24	L108 and (robot)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L19 5	19	"320"/\$.ccls. and (robot)(charg\$3 circuit)(mount\$3 board)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L19 6	3	("4983903"   "5461298"   "5545967").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L19 7	9	("4158802"   "4347472"   "4766322"   "5049802"   "5111126"   "5272431"   "5306999"   "5321353"   "5349378").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L19 8	6	("6518868", "6459586", "6243275", "5600226", "5095280", "5036216").pn.	US-PGPU B; USPAT	OR	ON	2006/03/17 09:02
L19 9	8	("4438589").URPN.	USPAT	OR	ON	2006/03/17 09:02
L20 0	86	L117 and (move)(robot)(charging stat\$3)(groove)	USPAT	AND	ON	2006/03/17 09:02

## EAST Search History

L20 1	19	("5462439"   "5498948"   "5523666"   "5538809"   "5606237"   "5661391"   "5703461"   "5711558"   "5714864"   "5850135"   "5909100"   "6014597"   "Re36225").PN. OR ("6157162").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L20 2	6	("4227463"   "4334819"   "4342533"   "4413219"   "4450400"   "4496274"). PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L20 3	13	("0417259"   "0434579"   "0682175"   "1335243"   "3664483"   "3675108"   "4055260"   "4173426"   "4227463").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L20 4	9	L124 and (guide groove)(charg\$3)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L20 5	5	("4983903"   "5461298"   "5545967").PN. OR ("5892350").URPN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L20 6	6	("4227463"   "4334819"   "4342533"   "4413219"   "4450400"   "4496274"). PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L20 7	15	("3771110"   "4176905"   "4553192"   "4591222"   "4655526"   "4904213"   "5133680"   "5151040"   "5417595"   "5641315"   "5807123"   "5823832"   "5879198"   "6075318"   "6159055").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L20 8	4	(terminal with head)(terminal with plate with charg\$3)and L151	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02

## EAST Search History

L20 9	21	(terminal with head)(terminal with spring and groove) L151	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L21 0	28	(terminal with head and charg\$3)(terminal with spring and groove) L150	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L21 1	66	(charg\$3)(mobile robot)(separate power)(\$3lastic terminal) and (support shaft)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L21 2	7	"182212"	EPO; JPO; DERWENT	AND	ON	2006/03/17 09:02
L21 3	169	L115 and (terminal)(groove)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L21 4	129	(L118 and groove)(bodY)	USPAT	AND	ON	2006/03/17 09:02
L21 5	120	L123 and groove	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L21 6	169	L115 and (terminal)(groove)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L21 7	129	(L118 and groove)(bodY)	USPAT	AND	ON	2006/03/17 09:02
L21 8	120	L123 and groove	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02
L21 9	125	L148 and (terminal and groove and spring)	US-PGPU B; USPAT; USOCR	OR	ON	2006/03/17 09:02
L22 0	112	L160 and (mobile robot)	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02

## EAST Search History

L22 1	257	(mobile robot)(charging terminal)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L22 2	286	L150 and (guide groove)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L22 3	335	(terminal connect\$3)(terminal with spring)(terminal with (shaft or support))and L152 and (\$3lastic)	US-PGPU B; USPAT; USOCR	AND	ON	2006/03/17 09:02
L22 4	2548	(groov\$3 terminal)(connector with spring and plate) and L112	US-PGPU B; USPAT	AND	ON	2006/03/17 09:02